

PATENT

ELECTRICAL SUPPLY DEVICE INTENDED FOR SUPPLYING AT LEAST TWO
ELECTRODES

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ABSTRACT

The present invention relates to an electrical supply device (1) intended to deliver energy to a structure (2) that includes at least two electrodes (20, 21) and a space containing a gas (24) intended to be excited, the device comprising a voltage generator (10), an inductor (41, 42) connected to the generator (10) and connected to the structure in order to supply the two electrodes with a periodic voltage $V(t)$ of given frequency, characterized in that it includes what are called resonance means for fixing said frequency at substantially the resonant frequency f_R of the system, which consists of the structure (2) and said inductor (42).

Figure 1